

DAILY SITREP FORMAT: NPS DET KATRINA

1.A. TIME: 15 1800Z SEP05

B. LOCATION:

NPS DET KATRINA (REAR): MONTEREY, CA

NPS DET KATRINA (FWD): BAY ST. LOUIS, MS

C. OPCON: JTF KATRINA CAMP SHELBY, MS

D. TACON: JFMCC JTF KATRINA

E. ADCON: NPS MONTEREY, CA

F. CURRENT MISSION:

PRI: ASSIST DISASTER RELIEF EFFORTS ALONG THE GULF OF MEXICO BY INSTALLING OPERATING AND MAINTAINING A MOBILE COMMUNICATIONS NETWORK IN AREAS MOST DEVASTATED BY HURRICANE KATRINA WHILE MAINTAINING THE CAPABILITY OF DEPLOYING FLY AWAY COMMUNICATION KITS TO OTHER REMOTE LOCATIONS.

SEC: ON ORDER

2. CONSUMABLES

A. WATER: % AVAILABLE: 170 OPERATIONAL DAYS: 53

B. FOOD: %AVAILABLE: 100 OPERATIONAL DAYS: 19

C. GASOLINE/DIESEL:

NEMESIS: 100%

RYDER: 100%

COMM POV: 75%

DET RENTAL CAR: 25%

DET RENTAL CAR: 50%

STORED FUEL FOR GENERATORS: 75%

D. PROPANE (NEMESIS): 100%

E. H2 (HYDROGEN FUEL CELL GENERATOR): 100%

F. HELIUM (BALLOONS): 100%

3. VEHICLES

DESCRIPTION	STATUS
NEMESIS	OPERATIONAL
RYDER 26FT TRUCK	OPERATIONAL
COMM POV	OPERATIONAL
DET RENTAL CAR	OPERATIONAL
DET RENTAL CAR	OPERATIONAL
DET RENTAL RV	OPERATIONAL
DET RENTAL RV	OPERATIONAL

4. PERSONNEL: TOTAL: 17

A. DET (FWD) -- MAIN EFFORT IS PROVIDING END USER SERVICES AT WIRELESS ACCESS POINTS AT ALL NODES IN THE NETWORK.

**FACULTY:**

NAME	RANK	DEPT
BRIAN STECKLER	GS-15	GSOIS

**STUDENTS:**

NAME	RANK	DEPT/CURRIC	BRANCH
BILL BRUCE	LCDR	IW	USN
PAT LANCASTER	LT	IST	USN
RICHARD CLEMENT	LT	IST	USN
ROBERT MOORE	LT	IST	USN
IRA LAMBERTH	LT	IW	USN
ROBERT PATTO	LT	IST	USN
NATHAN SEAMAN	LTJG	IST	USN

**RESERVISTS:**

NAME	RANK	BRANCH
NONE		

**CONTRACTORS:**

NAME	COMPANY
DONALD MULLEN	REDLINE
GLEN BERNDT	CISCO
TERRY SCHMIDT	CISCO

**OBSERVERS:**

NAME	RANK	BRANCH	AFFILIATION
PETE GRIFFITH	CDR	USN	OSD NII

**5. MATERIAL**

**A. NETWORK STATUS**

**CURRENT NETWORK STATUS: OPERATIONAL.**

**-INTERNET ACCESS AND VOIP, SUPPORTED WITH WIFI MESH LOCAL AREA NETWORK USING RAJANT 802.11B BREADCRUMBS AND REDLINE 802.16 BROADBAND BACKBONE, IS BEING PROVIDED TO:**

**-HANKCOCK MEMORIAL HOSPITAL, FEMA, DMAT, ARMY NATIONAL GUARD, AND FEDERAL PROTECTIVE SERVICES.**

**-AIR NATIONAL GUARD MOBILE HOSPITAL (COLOCATED WITH COUNTY HOSPITAL)**

**-HANCOCK COUNTY FIRE DEPARTMENT**

**-SECOND STREET ELEMENTARY SCHOOL**

**-WAVELAND POLICE DEPARTMENT AND WAVELAND POD VIA SEOC BANDWIDTH PROVIDER AND DET 802.16/802.11 GEAR**

-WIRELESS MESH LAN, SUPPORTED WITH RAJANT 802.11B BREADCRUMBS IS BEING PROVIDED TO WALMART POINT OF DISTRIBUTION (POD).

-ACCESS TO THE INTERNET IS PROVIDED BY A 512 KBPS BY 2MBPS SATCOM LINK USING TACHYON.

INOP EQUIPMENT:

-SECOND TACHYON SATELLITE DISH IS NOT OPERATIONAL. PARTS WERE SHIPPED IN TWO PACKAGES, ONLY ONE OF WHICH WAS RECEIVED. NO EST DELIVERY DATE.

B. ISSUES: SECOND STREET ELEMENTARY IS OPERATIONAL DESPITE MISSING ONE BREADCRUMB. THE BREADCRUMB WAS MISTAKENLY TAKEN BY HAM RADIO OPERATORS WORKING WITH THE RED CROSS. EXPECT TO HAVE THE ITEM BACK IN CUSTODY PM 15 SEP.

6. LESSONS LEARNED

A. TECHNICAL:

-RAJANT BREADCRUMBS MUST HAVE DHCP DISABLED IF ROUTERS ARE DHCP ENABLED.  
-NGO'S HAVE EXPRESSED AN INTEREST IN NOT ONLY THE CAPABILITY TO COMMUNICATE VIA HASTILY FORMED NETWORKS, BUT ALSO IN A SOFTWARE PACKAGE/APPLICATION THAT FACILITATES A COP.

B. PERSONNEL: CONSIDERABLE DOWNSIZING TODAY. EXPECT FOUR NPS STUDENTS AS RELIEFS ON 17 SEP AND ONE OTHER NPS STUDENT ON 19 SEP.

C. CIVIL-MILITARY BOUNDARY: DET WAS ABLE TO COORDINATE THE SHARING OF BANDWIDTH BEING PROVIDED AT SOUTHERN EOC, WALMART PARKING LOT. BY USING THEIR SERVICE, DET WAS ABLE TO LINK IN WAVELAND POLICE STATION AND WAVELAND POD ON A DIFFERENT BANDWIDTH SOURCE, OTHER THAN OURS. THE SHARING OF RESOURCES IS CRITICAL IN THIS ENVIRONMENT. THE DET IS CURRENTLY ATTEMPTING TO LINK 200 PERSONNEL FROM THE 223 ENGINEERING BATTALION, MS NATL GUARD TO OUR 802.16 BACKBONE. THESE PERSONNEL WILL BE CONTINUING THE RECOVERY PHASE IN THE REGION FOR QUITE SOME TIME AND PROVIDING THEM C2/MWR WILL PROVE CRUCIAL IN THE COMING MONTHS. THE CONGLOMERATION OF VOLUNTEERS FROM SAN JOSE ARE WORKING ON ESTABLISHING A DS-3 (30-45MBPS BANDWITH)

MICROWAVE SHOT NEAR OUR LOC. COORDINATING WITH CITY TEAM TO ESTABLISH CONNECTIVITY TO THAT PIPE, ENABLING GREATER SPEED AND QUALITY OF SERVICE TO A GREATER NUMBER OF USERS.

D. LOGISTICS:

-UNDERSTAND THAT JFMCC ASHORE, PCLA, HAS MOVED TO NEW ORLEANS. NEED TO COORDINATE WITH JFMCC ON PACKAGES BEING SHIPPED TO PCLA AND THEIR ABILITY TO REROUTE THOSE PACKAGES TO OUR LOC.

-GASOLINE FOR GENERATORS IS A NON-ISSUE. ALL GOVERNMENT AND EMERGENCY VEHICLES ARE GIVEN FREE FUEL.

7. ENCLOSURES: NONE

8. ONSITE OIC/FACULTY LEADERSHIP COMMENTS

A. NAME OF OIC: LCDR BILL BRUCE  
FACULTY LEAD: BRIAN STECKLER

B. PHONE NUMBER FOR OIC: 831-241-8865.

C. OIC/FACULTY COMMENTS: THE PHONES ARE BUZZING WITH ACTIVITY AT SECOND STREET ELEMENTARY. EVERYWHERE THERE IS A FOOTPRINT, ALL WHO ARE ACCESSING THE NETWORK ARE EXTREMELY THANKFUL. AND THE NETWORK IS EXPANDING. WITH GEAR ON HAND, THOUGH, WE HAVE REACHED OUR LIMIT. WE ARE, HOWEVER, WORKING WITH OTHER ENTITIES TO INCREASE THE SIZE OF THE NETWORK AND ITS CAPABILITIES.

D. THE FOLLOWING EXTENSIONS ARE PROVIDED FOR THE VOIP PHONE NUMBER 919-595-8545:

- PROF. BRIAN STECKLER	EST 20040
- NPS DET KATRINA COC	EXT 20042
- NPS DET KATRINA NOC	EXT 20053
- DMAT	EXT 20050

E. CURRENT TELEPHONE DIRECTORY ALL PAST SITREPS CAN BE OBTAINED BY LOGGING ONTO [HTTP://WWW.IPWIKI.COM](http://www.ipwiki.com) AND OBTAINING AN ACCOUNT.

F. NPS DET 1 (HANCOCK COUNTY HOSPITAL NOC TEAM) EXIT STRATEGY ISSUES AND ACTIVITIES:

- AN OFFER FROM BELL CANADA TO BRING IN A 6 MEG BY 6 MEG 2.4 METER DISH WITH BROADBAND INTERNET, VOIP, AN INITIAL 10-15 LAPTOPS AND VOIP PHONES, PLUS 802.11 CLOUD PLUS 802.16 GEAR WAS MADE TO CDR GRIFFITHS AND PROF STECKLER YESTERDAY AS A 30 DAY DEMONSTRATION OF A HASTILY DEPLOYED EOC COMM/DATA SUITE. THEY ONLY LACK AN INDOOR FACILITY (NOT AVAILABLE) OR OUTDOOR AIR CONDITIONED RV WITH RACK SPACE AND ADEQUATE POWER TO ACT AS THEIR NOC AND LIVING FACILITIES. THEY WERE AWARE OF NPS'S NEMESIS MOBILE RESEARCH FACILITY (33 FOOT RV CONVERTED INTO A NOC) AND ASKED IF NEMESIS COULD BE REDEPLOYED FROM HANCOCK COUNTY MEDICAL CENTER (CURRENT NPS DET NOC) TO THE EOC AT STENNIS INT'L AIRPORT (HANCOCK COUNTY EOC) FOR A FEW WEEKS OR LONG ENOUGH FOR THE BELL CANADA TEAM TO OPERATE OUT OF OR UNTIL THEY CAN FIND THEIR OWN RV (RV'S ARE ALMOST IMPOSSIBLE TO FIND ANYWHERE IN A 300-400 MILE RADIUS. CDR GRIFITHS AND PROF STECKLER AGREED TO INVESTIGATE BOTH NEMESIS EXTENSION (WITH THE CRNSG RESERVISTS TAKING OPCON OF THE VEHICLE UNTIL 30 SEPTEMBER WITH PROF STECKLER ON STATION THRU THE 30<sup>TH</sup> OR LONGER IF NECESSARY. ALSO INVESTIGATING OPTION OF MAINTAINING A TRICKLE OF NPS FACULTY/STUDENTS IF WE OBTAIN FY06 FUNDING TO CONTINUE SUPPORT/RESEARCH BEYOND THE MONTH OF SEPTEMBER AND TO HELP WITH THE TRANSITION OF THE INFRASTRUCTURE TO OTHER AGENCIES/ENTITIES OR THE SAN JOSE "CITYTEAM" GROUP OF NON-PROFITS WHOSE MISSION IS IT/COMMS STABILIZATION AND RECONSTRUCTION AFTER DISASTERS. THE AIR GUARD UNIT THAT HAS BEEN PROVIDING ALL INTERNET SERVICES TO THE EOC IS OVERDUE FOR DEPARTURE AND HAS APPROACHED PROF STECKLER ASKING IF NPS OR OUR COLLABORATION PARTNERS (CRNSG RESERVISTS, CISCO/REDLINE ON SITE ENGINEERS/CITYTEAM GROUP) HAVE THE CAPABILITY TO RELIEVE THEM. AFTER SEVERAL DISCUSSIONS ON FEASIBILITY AND MAKING IT CLEAR THAT THE NPS TEAM IS WORKING ON THEIR OWN EXIT STRATEGY WITH 25 SEPTEMBER AS THE HARD RETURN DATE OF THE MAJORITY OF THE TEAM, WE AGREED TO CHECK OUT THE OPTIONS INCLUDING THE BELL CANADA INCOMING INFRASTRUCTURE FOR THE EOC (IF APPROVED) TO HELP FACILITATE SOMEONE BESIDES NPS TO TAKE OVER ICT FOR THE AIR GUARD UNIT AT EOC.

- BOTTOM LINE ON THE BELL CANADA EOC COMMS TAKEOVER IS SUMMARIZED AS FOLLOWS:
  
- CDR MILLS (OSD-NII PERSON ON THE GROUND HERE) WILL LIAISE WITH JFMCC TODAY TO OBTAIN APPROVAL FOR OUR TEAM TO PROVIDE LIAISON BETWEEN THE EOC AND THE BELL CANADA TEAM TO POSSIBLY REPLACE THE EOC'S NAT'L GUARD CIVIL SUPPPORT TEAM THAT IS TRYING TO DEPART. PROF STECKLER WILL INVESTIGATE (WITH NPS) THE FEASIBILITY OF NEMESIS REMAINING AT THE EOC UNTIL SOMEONE GETS A MORE PERMANENT NOC FACILITY AT THE EOC.
  
- OIC AND PROFESSOR STECKLER ARE WORKING ON AN EXIT STRATEGY PLAN TO INCLUDE OPS AND NPS/CRNSG RESERVE MANNING THROUGH END OF SEPTEMBER, THEN A 30-60 DAY PLAN FOR WHOEVER TAKES OVER LIFECYCLE OPS OF THE INFRASTRUCTURE TO INCLUDE LOCATION, OWNER, NOMENCLATURE, WHETHER LOANS OR GIFTS, LENGTH OF LOAN, WHO ITEMS ARE BEING LOANED TO, ETC. EXIT STRATEGY WILL ALSO INCLUDE THE VARIOUS CANDIDATES FOR INFRASTRUCTURE TAKEOVER, RECEIPT SIGNERS FOR LOANED GEAR, ETC. FIRST DRAFT DUE BY COB TODAY AND MAY BE INCLUDED AS AN ATTACHMENT IN TOMORROWS SITREP.
  
- TEAM IS WORKING ON GETTING ORG CHARTS AND POC'S FOR THE 15 OR 20 AGENCIES OPERATING IN THE AREA THAT WE ARE WORKING WITH. HAS BEEN VERY DIFFICULT FOR ALL PARTIES TO COMMUNICATE WITHOUT A CENTRAL REPOSITORY FOR THIS STANDARD ITEM. EOC HAS SOME OF IT FOR THEIR FACILITY BUT THERE IS NO OVERALL HANCOCK COUNTY LOCATION OR ENTITY THAT HAS CREATED AND MAINTAINED. ADDING TO THE CHAOS IS THAT ENTITIES ARE COMING AND GOING ON ALMOST A DAILY BASIS. THIS IMPACTS OUR MISSION, AS WHEN ONE ENTITY LEAVES WE HAVE TO RECOVER OUR GEAR. IF THAT ENTITY IS BEING RELIEVED BY ANOTHER, WE HAVE TO REDEPLOY, TRAIN, ESTABLISH LIAISON WITH OFFICER OR PERSON IN CHARGE PLUS THEIR IT/COMMS CONTACT IF AVAILABLE. THIS IS ADDING ALSO TO THE COMPLEXITY OF THE EXIT STRATEGY.

- ALL DMAT UNITS WILL BE DEMOBILIZED FROM THE HOSPITAL CAMPUS, LEAVING VERY LITTLE FEMA FOOTPRINT. THERE ARE TEMPORARY FACILITIES (SUCH AS SHOWERS, SINKS, POTABLE WATER TANKS) THAT WERE BEING UTILIZED BY ALL FEMA AND NPS RELATED PERSONNEL AND COUNTED ON TO PROVIDE SUPPORT TO THE CITY TEAM PERSONNEL WHO ARE COLOCATING WITH NPS DET ON CAMPUS. THOSE FACILITIES ARE EXPECTED TO BE BROKEN DOWN AND SHIPPED WITH DMAT GEAR TOMORROW. REQUESTS ARE BEING MADE THROUGH DMAT CHAIN TO KEEP FACILITIES IN PLACE UNTIL SUCH TIME AS NPS DET CAN COORDINATE TEMPORARY FACILITIES BE BROUGHT ON CAMPUS. AS WE SIMULTANEOUSLY CONTINUE TO CONNECT MORE REMOTE DEVASTATED COMMUNITIES AND POINTS OF DISTRIBUTION (POD'S) – LOSING THE SHOWERS, SINKS AND POTABLE WATER KITS IS AN ISSUE. THIS LEAVES THE COMBINED TEAM OF APPROXIMATELY 35 PEOPLE WITHOUT FACILITIES TO SHOWER, ETC. WE ARE TRYING TO FIND A SOURCE FOR A REPLACEMENT SANITATION/HYGEINE KIT LOCALLY (223<sup>RD</sup> MISSISSIPPI NAT'L GUARD ENGINEERING GROUP, ETC). ALSO INVESTIGATING GOING THROUGH OFFICIAL JTF KATRINA OR JFMCC CHANNELS TO REQUEST A SIMILAR KIT FOR THE 20 CITYTEAM MEMBERS AND THE 10-15 ACTIVE DUTY AND RESERVE MILITARY PERSONNEL. THE AIR NAT'L GUARD MEDICAL GROUP HERE IS UNABLE TO SHARE THEIR FACILITIES AS IT'S NOT LARGE ENOUGH FOR THAT MANY MORE PERSONNEL. THE HOSPITAL IS STILL A HAZMAT RESTRICTED SITE SO WE ARE ALL LIVING IN THE PARKING LOT WITH GENERATORS AND PORTABLE POTABLE AND NON-POTABLE WATER IN WATER BUFFALOS.

- PROF STECKLER'S CELLULAR SERVICE, ATT/CINGULAR IS SPOTTY AT BEST IN THIS AREA. IF CALLERS LEAVE MESSAGES HE IS UNABLE TO RETRIEVE THEM FOR 12-14 HOURS AT TIMES AS THE ATT/CINGULAR NETWORK HAS BEEN TOTALLY JAMMED FOR BOTH CALLS AND ACCESS TO VX MAIL. ANOTHER OPTION TO REACH HIM IS VIA THE HOSPITAL NOC'S VOIP PHONES WE INSTALLED. DIAL 919.545.8545 THEN EXTENSION 20040. THE ONLY COMPLETELY RELIABLE CELL PHONE SERVICE IN THE REGION IS NEXTEL. IF WE HAD ONE OR TWO NEXTEL PHONES COMMS WOULD NOT BE AS MUCH OF AN ISSUE.

